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☐ 1. Document ID: US 6509440 B1

In the present invention, there are obtained aliphatic polyesters having a controlled thermal decomposing property, hydrolizability, and biodegradability, in which OH terminals and COOH terminals are decreased to 50% and 30%, respectively, through a ringopening polymerization of a lactone and lactide by a mono alcohol having a high boiling point or a metal alkoxide, or by further decreasing both terminals through combining produced polymer terminals with a diisocyanate and, from a composition containing the polyesters, there is obtained a particle-state composition for agriculture and gardening in which a duration period of a fertilizing effect can be controlled, and which is not remained in soil by decomposition. From a resin primarily containing fatty acid cellulose ester derivatives, there are obtained a base film for a marking film which does not include a problem such as volatilization and migration of a plasticizer and a picture image formable heat-sensitive transfer recording material which is excellent in strippability, coloring concentration, and brightness, a conductive coating composition which is excellent in storage stability, adhesion, and conductivity, a singleliquid type coating and a moisture-curable graft copolymer, and a coating composition which have a non toxicity and nonirritating property and which are excellent in dryability. A copolymer in which average chain length in lactone and lactide units are controlled is excellent in heat resistance and impact resistance.

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. Des

☐ 2. Document ID: US 6376057 B1

AB: This invention provides a packaging material for a photographic photosensitive material having a conductive light-shielding thermoplastic resin film layer which comprises a resin composition comprising 3 to 49 wt. % of a thermoplastic elastomer having a crystallinity of 40% or less measured by the X-ray diffraction method, 0.01 to 10 wt. % of lubricant, and 1 to 70 wt. % of carbon black which is acetylene carbon black or furnace carbon black, which is excellent in the dispersion of carbon black to improve light-shielding ability and rare generation of lumps and microgrits, heat sealing properties, small degradation of physical strength, film moldability, etc.

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Des

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☐ 1. Document ID: US 6794419 B2

AB: A method of <u>recycling</u> a molded resin consisting mainly of a <u>thermoplastic resin</u> which comprising adding as a recycle aid agent a rubber-like material (material) which is compatible with the <u>thermoplastic resin</u> as the main component of the molded resin, is moldable after having been mixed with the resin, and has the property of improving impact strength. By this method, impact strength and flame retardancy are recovered or improved.

Full Title Citation Front Review Classification Date Reference Sequences Attackmicits Claims KMC Draw Des

☐ 2. Document ID: US 6787077 B2

AB: A cellular molded article in a mold pattern having a surface skin, which has an excellent releasing property from a metal mold as well as an excellent printing property of a design formed on a surface of the metal mold, and a producing method thereof are provided. The cellular molded article in a mold pattern having the surface skin and a producing method thereof, in which, at least a face of the surface skin material, which contacts the metal mold, is an olefin thermoplastic elastomer sheet which is composed of an olefin resin without containing a polyethylene resin as its matrix, and pre-expanded beads, which are employed for an expansion molding in a mold pattern, are pre-expanded beads of an olefin resin.

Full Title Citation Front Review Classification Date Reference Seguences Affachineria Claims KWC Draw. Des

☐ 3. Document ID: US 6742529 B2

AB: A system for recycling reusable resin mold products recovered from discarded apparatuses is disclosed. This recycling system includes a crushing system for crushing resin mold products one kind by one kind into crushed resinous pieces and packing the same in a bag, a classification system for irradiating a light beam to the resin in the bag and classifying the bags into respective kinds of resins based on a reflected beam therefrom, a cleaning system for separately cleaning the respective kind of crushed resinous pieces taken out of the bag to remove foreign matters adhered onto the surfaces of the crushed resinous pieces therefrom, and a recovery system for recovering the cleaned crushed

resinous pieces.

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw Des

☐ 4. Document ID: US 6703445 B2

AB: The object of the present invention is to provide a molding $\underline{\text{thermoplastic resin}}$ material giving $\underline{\text{resin mold}}$ whose quality and value are substantially equal to original $\underline{\text{resin mold}}$ even in a case where said $\underline{\text{resin mold}}$ is recycled.

To attain said object, olefin group rubber and/or acrylic rubber to which monomer(s) being the same or similar monomer as (to) monomer(s) composing said molding thermoplastic resin material is(are) graft-copolymerized to give said rubbers compatibility with said molding thermoplastic resin material is(are) added in said molding thermoplastic resin material to improve said equal quality recycling property (property that quality and value are substantially equal to original thermoplastic resin mold even in a case where said thermoplastic resin mold is recycled).

Said olefin group rubber and/or said acrylic rubber has(have) excellent thermal stability, heat-resistance, ozone resistance, oxidation resistance, and durability and has(have) effect on improvement of impact resistance for said thermoplastic resin material which is substantially immutable against heat history affected by repeated recycles and said molding thermoplastic resin material of the present invention can be used as a resin material of equal quality resin mold whose quality and value are substantially equal to resin mold using virgin resin material even in a case where said resin mold is recycled.

Full Title Citation Front Review Classification Date Reference **Sequences Attachments** Claims KMC Draw. Des

☐ 5. Document ID: US 6670039 B1

AB: A method of carbonizing cellulose-containing plants is disclosed. Wood is used as a precursor material which is carbonized under controlled temperature and atmosphere conditions to produce a porous carbon product having substantially the same cellular structure as the precursor wood. The porous carbonized wood may be used for various applications such as filters, or may be further processed to form carbon-polymer or carbon-carbon composites. The carbonized wood may also be converted to a ceramic such as silicon carbide. Additional processing may be used to form ceramic-metal or ceramic-ceramic composites.

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Des

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☐ 6. Document ID: US 6610758 B2

AB: A method of <u>recycling</u> a molded resin consisting mainly of a <u>thermoplastic resin</u> which comprises adding as a recycle aid agent a rubber-like material (material) which is compatible with the <u>thermoplastic resin</u> as the main component of the molded resin, is moldable after having been mixed with the resin, and has the property of improving impact strength. By this method, impact strength and flame retardancy are recovered or improved.

Full Title Citation F	ront Review	Classification	Date	Reference	75 Har 75	Algerrates	Claims	KWIC	Drawu Des

☐ 7. Document ID: US 6290138 B1

AB: A wireless data storage medium comprising an image recording section for rewritably recording and displaying a visible image, and wireless data storage means less in flexibility produced by bonding the wireless data storage section with the image recording section in such a manner that only part of a whole structure of the wireless data storage section is superposed on part of a whole structure of the image recording section, for storing and reading data on a memory for storing data by performing communication with an external system by use of the memory and an antenna.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences Alexanderi	Claims	KWIC	Draw, Des

□ 8. Document ID: US 6259157 B1

AB: A hybrid integrated circuit device comprising: a substrate having an insulated surface and superior thermal conductivity; conductor patterns provided on the substrate; an element mounted on the surface so as to connect with the conductor patterns through electrically connecting means; an outer read which is electrically connected to the conductor patterns and is extended to the outside; and a sealing member of thermoplastic resin so as to be molded and cover at least the surface of the substrate.

Full	Titte	Citation	Front	Review	Classification	Date	Reference	Sequences Affachments	Claims	KWIC	Drawi Des
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☐ 9. Document ID: US 6248411 B1

AB: A hollow decorative rock protects and provides an aesthetically pleasing appearance by covering utility implements or access covers. Hidden slots in the hollow rock provide for an air flow through the rock, when combined with the uneven bottom edge of the molded hollow rock.



☐ 10. Document ID: US 6124028 A

AB: A method of carbonizing cellulose-containing plants is disclosed. Wood is used as a precursor material which is carbonized under controlled temperature and atmosphere conditions to produce a porous carbon product having substantially the same cellular structure as the precursor wood. The porous carbonized wood may be used for various applications such as filters, or may be further processed to form carbon-polymer or carbon-carbon composites. The carbonized wood may also be converted to a ceramic such as silicon carbide. Additional processing may be used to form

ceramic-metal or ceramic--ceramic composites.

Full T	itle Citatio	n Front	Review	Classification	Date	Reference		All shines	Claims	KWC	Draw. Des
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☐ 11. Document ID: US 6051096 A

AB: A method of carbonizing cellulose-containing plants is disclosed. Wood is used as a precursor material which is carbonized under controlled temperature and atmosphere conditions to produce a porous carbon product having substantially the same cellular structure as the precursor wood. The porous carbonized wood may be used for various applications such as filters, or may be further processed to form carbon-polymer or carbon-carbon composites. The carbonized wood may also be converted to a ceramic such as silicon carbide. Additional processing may be used to form ceramic-metal or ceramic-ceramic composites.

F	ull	Title	Citation	Front	Review	Classification	Date	Reference <u>Sequences</u> <u>Attachments</u> Claims KMC Draw. D	63

☐ 12. Document ID: US 5801205 A

AB: Provided are a reprocessed resin which decreases volume of a thermoset resin foamed material recovered from waste of various resin products and moldably form said thermoset resin foamed material into various molded articles to thereby effectively recover and reprocess the thermoset resin foamed material, a reprocessing method therefor and a method for molding a molded article formed of said reprocessed resin. A pulverized resin to be processed formed of a thermoset resin foamed material along with a thermoplastic resin molding material are applied with a stirring impact force to produce shearing heat generation based on the stirring impact force and are gelled and blended by the shearing heat generation. In this process, the thermoplastic resin molding material is adhered so as to cover the whole surface of the individual pulverized resin to be processed and cooled and granulated to have 15 mm or less of particle diameter to thereby decrease volume by 0.3 or more in bulk specific gravity whereby a reprocessed resin imparting a good flowability is formed to maintain a good blended state at the time of molding such as extrusion molding, injection molding or the like, and a suppressing force is applied to a molded article to increase a density of an extruded material to mold a molded article of uniform and high density.

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachinents	Claims	KWIC	Drawi Des

☐ 13. Document ID: US 5242637 A

AB: A process for the production of an integral composite molded item including

- (i) a surface portion having a synthetic resin phase containing a fibrous reinforcing material,
- (ii) a core portion having the synthetic resin phase containing bubble-containing particles, and
- (iii) a separation layer positioned between the surface portion and the core portion, the process including the steps of:

providing in a substantially sealed mold (1) a separation layer which does not substantially pass therethrough bubble-containing particles but which is capable of passing a synthetic resin or its precursor that is liquidized at the time of molding; (2) a synthetic resin or its precursor on either or both sides of the separation layer; (3) a fibrous reinforcing material between the separation layer and the mold, and (4) an aggregate of bubble-containing particles on the side of the separation layer opposite to the mold;

causing volume expansion of the aggregate;

causing the resin to flow through the separation layer to thoroughly disperse it between the separation layer, mold, and particles to fill any voids therebetween; and

completing solidification of the resin to form the composite molded item.

The type of the resin and the type of bubble-containing particles may be selected and combined differently.

Full	Title	Citation	Front	Review	Classification	Date	Reference		100	Claims	KWIC	Dravu Des

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Inventor Name Search Result

Your Search was:

Last Name = SUZUKI

First Name = YASUHIRO

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Application#	Patent#	Status	Date Filed	Title	Inventor Name 51
60573418	Not Issued	020	05/24/2004	STEERING UNIT FOR SMALL VEHICLE	SUZUKI, YASUHIRO
60533488	Not Issued	020	12/30/2003	PHOTORESISTS COMPOSITIONS WITH SI-COMPONENT	SUZUKI, YASUHIRO
60327499	Not Issued	159	10/05/2001	CYCLIC SULFONIUM AND SULFOXONIUM PHOTOACID GENERATORS AND PHOTORESISTS COMPRISING SAME	SUZUKI, YASUHIRO
60264322	Not Issued	159	01/29/2001	PROCESS FOR PURIFYING OCTAFLUOROCYCLOBUTANE, PROCESS FOR PRODUCING THE SAME, AND USE THEREOF	SUZUKI, YASUHIRO
60264320	Not Issued	159	01/29/2001	PROCESS FOR PURIFYING OCTCAFLUOROPROPANE, PROCESS FOR PRODUCING THE SAME, AND USE THEREOF	SUZUKI, YASUHIRO
60241744	Not Issued	159	10/20/2000	ADSORBENT FOR PURIFYING PERFLUOROCARBON, PROCESS FOR PRODUCING THE SAME, HIGH PURITY OCTAFLUOROCYCLOBUTANE, PURFICATION PROCESS AND PRODUCTION PROCESS FOR THE SAME AND USE THEREOF	SUZUKI, YASUHIRO
60241742	Not Issued	159		PURIFICATION PROCESS AND PRODUCTION PROCESS FOR OCTAFLUOROPROPANE HIGH PURITY OCTAFLUOROPROPANE AND USE THEREOF	SUZUKI, YASUHIRO
10823179	Not Issued	041	04/13/2004	LIGHT-CONTROLLED LIGHT MODULATOR	SUZUKI, YASUHIRO
10786094	Not	030	02/26/2004	TREATMENT OF MALIGNANT	SUZUKI,

J

	Issued			TUMOR	YASUHIRO
10776335	Not Issued	030	02/12/2004	STACKED PIEZOELECTRIC DEVICE AND METHOD OF FABRICATING SAME	SUZUKI, YASUHIRO
10776332	Not Issued	030	02/12/2004	STACKED PIEZOELECTRIC DEVICE	SUZUKI, YASUHIRO
<u>10674501</u>	Not Issued	083	10/01/2003	CRACK-PREVENTIVE SCREW- FASTENING STRUCTURE FOR RESINOUS HOUSING	SUZUKI, YASUHIRO
<u>10664529</u>	Not Issued	030	09/16/2003	COATING MATERIAL FOR RECYCLING AND A THERMOPLASTIC RESIN MOLD	SUZUKI, YASUHIRO
10648246	6814051	150	08/27/2003	THROTTLE VALVE SYSTEM FOR INTERNAL COMBUSTION ENGINE	SUZUKI, YASUHIRO
10639581	Not Issued	071	08/13/2003	THROTTLE VALVE APPARATUS	SUZUKI, YASUHIRO
10619784	Not Issued	030	07/16/2003	PROCESS FOR PRODUCING A FLUORINATED ESTER, A FLUORINATED ACYL FLUORIDE AND A FLUORINATED VINYL ETHER	SUZUKI, YASUHIRO
10502116	Not Issued	019	01/01/0001	PROCESS FOR PRODUCING MOLDED ARTICLE OF RECLAIMED THERMOPLASTIC RESIN	SUZUKI, YASUHIRO
10494618	Not Issued	020	05/04/2004	DRAIN HOLE SHAPE FOR VESSEL	SUZUKI, YASUHIRO
10493935	Not Issued	020	10/04/2004	PROCESS FOR PRODUCING POWDERY LINEAR POLYMER HAVING IMPROVED POWDER PROPERTIES	SUZUKI, YASUHIRO
10481058	Not Issued	030	12/17/2003	AXLE WITH RUBBER CUSHION	SUZUKI, YASUHIRO
10463805	6787702		06/18/2003	HARNESS-APPLIED ARMORING MEMBER AND HARNESS- ARRANGING STRUCTURE USING THE SAME	SUZUKI, YASUHIRO
10463098	6794419	150	06/17/2003	METHOD FOR RECYCLING THE RESIN MOLD	SUZUKI, YASUHIRO
10443846	Not Issued	093	11	ELECTROMAGNETIC INDUCTION-TYPE CONNECTOR	SUZUKI, YASUHIRO
10397521	Not Issued	071	03/27/2003	METHOD FOR PRODUCING A FLUORINATED ESTER COMPOUND	SUZUKI, YASUHIRO

10372317	6793259	150	02/25/2003	ELECTRIC WIRE EXCESS LENGTH ABSORBING DEVICE AND SLIDING DOOR-USE POWER FEEDING APPARATUS USING THE SAME	SUZUKI, YASUHIRO
10363215	Not Issued	030	03/06/2003	ADSORBENT FOR PURIFYING PERFLUOROCARBON, PROCESS FOR PRODUCING SAME, HIGH PURITY OCTAFLUOROPROPANE AND OCTAFLUOROCYCLOBUTANE, AND USE THEREOF	SUZUKI, YASUHIRO
10309597	6675474	150	12/03/2002	ELECTRONIC COMPONENT MOUNTED MEMBER AND REPAIR METHOD THEREOF	SUZUKI, YASUHIRO
10307388	Not Issued	083	12/02/2002	METHOD FOR PREPARING UNSATURATED COMPOUND BY PYROLYSIS REACTION	SUZUKI, YASUHIRO
10266085	Not Issued	041	10/07/2002	CYCLIC SULFONIUM AND SULFOXONIUM PHOTOACID GENERATORS AND PHOTORESISTS COMPRISING SAME	SUZUKI, YASUHIRO
10263233	6728025	150	10/02/2002	SEMICONDUCTOR OPTICAL AMPLIFIER CHARACTERISTIC EVALUATION METHOD AND APPARATUS	SUZUKI, YASUHIRO
<u>10221447</u>	Not Issued	041	09/12/2002	PROCESS FOR PURIFYING OCTAFLUOROPROPANE, PROCESS FOR PREPARING THE SAME, AND USE THEREOF	SUZUKI, YASUHIRO
10221443	6815568	150	09/12/2002	PROCESS FOR PURIFYING OCTAFLUOROCYCLOBUTANE, PROCESS FOR PREPARING THE SAME, AND USE THEREOF	SUZUKI, YASUHIRO
10217211	Not Issued	095	13 1	BRAKE MECHANISM FOR SMALL VEHICLE	SUZUKI, YASUHIRO
10207357	6775426	150	07/29/2002	POLARIZATION MODE DISPERSION COMPENSATING DEVICE USING OPTICAL XOR CIRCUIT	SUZUKI, YASUHIRO
10157811	<u>6736646</u>	150	14	ELECTROMAGNETIC INDUCTION-TYPE CONNECTOR	SUZUKI, YASUHIRO
10137428	Not Issued	030		DATA COMMUNICATION APPARATUS AND DATA COMMUNICATION METHOD	SUZUKI, YASUHIRO

	10137356	Not Issued	030	05/03/2002	DATA COMMUNICATION APPARATUS AND DATA COMMUNICATION METHOD	SUZUKI, YASUHIRO
	10030235	Not Issued	071	03/26/2002	CONDUCTIVE ADHESIVE, APPARATUS FOR MOUNTING ELECTRONIC COMPONENT, AND METHOD FOR MOUNTING THE SAME	SUZUKI, YASUHIRO
,	09969975	6703445	150	10/03/2001	MOLDING THERMOPLASTIC RESIN MATERIAL AND A METHOD FOR EQUAL QUALITY RECYCLE OF THERMOPLASTIC RESIN MOLD	SUZUKI, YASUHIRO
	09953796	6753996	150	II .	LIGHT-CONTROLLED LIGHT MODULATOR	SUZUKI, YASUHIRO
	09950388	6610758	150	09/10/2001	METHOD FOR RECYCLING THE RESIN MOLD	SUZUKI, YASUHIRO
	09893106	6512183	150	06/27/2001	ELECTRONIC COMPONENT HAVING A CIRCUIT BOARD AND A THERMOPLASTIC INSULATING ADHESIVE INTERMEDIATE LAYER	SUZUKI, YASUHIRO
	09850775	6536895	150	05/08/2001	INK-JET PRINTER	SUZUKI, YASUHIRO
	09793910	<u>6483054</u>	150	02/28/2001	PRESSURE-SENSITIVE SENSOR, CONNECTOR AND COMBINING STRUCTURE THEREOF	SUZUKI, YASUHIRO
	09788591	6297412	150	11 1	PROCESS FOR PURIFYING DIFLUOROMETHANE	SUZUKI, YASUHIRO
	09726980	Not Issued	161		SEMICONDUCTOR DEVICE MANUFACTURED BY MOLDING AND DICING METHOD INCORPORATING RESIST RELIEF	SUZUKI, YASUHIRO
	<u>09560300</u>	6533055	150		ELECTRICAL OUTLET ARRANGEMENT FOR ATV	SUZUKI, YASUHIRO
	<u>09508876</u>	6301454	150	ll l	FIXING HEATER CONTROLLING METHOD AND AN IMAGE FORMING DEVICE	SUZUKI, YASUHIRO
		6459161			SEMICONDUCTOR DEVICE WITH CONNECTION TERMINALS IN THE FORM OF A GRID ARRAY	SUZUKI, YASUHIRO
	07163300	4877726	250		METHOD FOR THE DETECTION OF ACUTE-PHASE TOXOPLASMA INFECTION	SUZUKI , YASUHIRO
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